

Dr. Lamb's Prescriptions

Annette Lamb



OASIS is the Openly Available Sources Integrated Search (OASIS) tool that provides easy access to open content teaching and learning materials.

OASIS provides an easy-to-use interface for accessing open content from 72 different sources. Resources can be accessed by subject or using the advanced search tool. Educational materials include learning modules, courses, books, learning objects, audiobooks, videos, and more. In addition, the license for use is clearly marked.

Librarians will find this search tool to be a quick way to access high-quality, open access educational materials. Of particular note are the many resources focusing on information literacy.

To visit the website, go to <https://oasis.geneseo.edu>.



The **WEB CULTURES WEB ARCHIVE** from the Library of Congress documents online culture.

Contents: Part of the American Folklife Center, this web archive documents the way cultures have developed and changed online. The digital resources include dozens of archived websites. In most cases, the items are stored in the webarchive format. A search tool and tips are provided, along with featured items.

Classroom Connections: Librarians will find this website to be an interesting way for students to explore the impact of online culture. Involve youth in evaluating and debating the inclusion of various websites in the collection.

Featured Digital Objects:

Internet Meme Database: <https://www.loc.gov/item/lc-waN0009692>

UrbanDictionary: <https://www.loc.gov/item/lcwaN0004130>

Emojipedia: <https://www.loc.gov/item/lcwaN0010500>

To visit the collection, go to <https://www.loc.gov/.../web-cultures-w.../about-this-collection/>.



KAPWING is an easy-to-use, on-line image and video production tool.

Users have access to dozens of on-line tools and editors to create simple graphics and videos. For instance, the meme maker allow users to create a simple online image with text overlay. Editors include a video montage maker, video collage, video filters, and video converter. Tools allows users to resize, loop, trim, and rotate videos. Users can apply templates or build projects from scratch. A blog provides useful news and information. Resources are provided for educators. Tutorials are also available.

Librarians will find this tool useful for working with students of all ages. Keep in mind that a Google or Facebook account is needed for the free account. A small watermark is placed on materials created with the free account.

To visit the website, go to <https://www.kapwing.com/>.

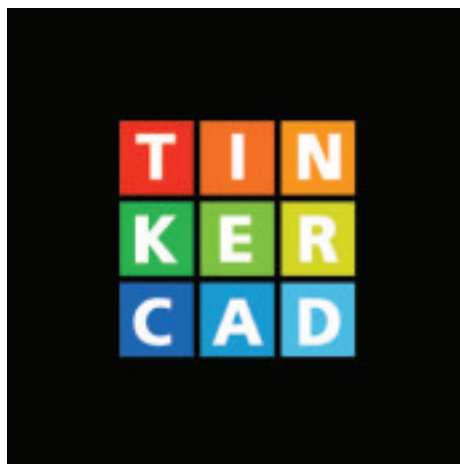


The **GLOBAL MATH PROJECT** is a community of mathematics teachers sharing their joy of math.

In addition to celebrating Global Math Week each year, the website contains six learning experiences including teaching guides and handouts. Links are also provided to dozens of “exploring dots” learning resources.

Librarians will find this website to be a great place to connect math teachers with learning resources. It’s also an opportunity to participate in the Global Math Week activities.

To visit the website, go to <https://www.globalmathproject.org>.



TINKERCAD from Autodesk is a free online collection of 3D design and engineering tools created for students.

This easy-to-use app helps students apply 3D design, electronics, and coding skills. Users can begin using the tool immediately, or they can explore the gallery for ideas. Learning tools are built into the software. Lessons are available to teach 3D design, electronics, and coding skills.

Librarians will find these tools provide a fun way to introduce design and engineering concepts. The tools provide an easy introduction to 3D design.

To visit the website, go to <https://www.tinkercad.com>.



PICULAR is a search tool for colors.

This fascinating search engine connects users with the world of color. Users enter a search term to see colors related to word such as “oceans” or “frog.” Users can click on the color number to copy the number, or they can click the image icon for an image connecting the word and image.

Librarians will find this to be a useful website for talking with youth about search tools. Also, connect this tool to the art and computer science curriculum.

Students involved with design or coding activities will find the numbered colors useful in programming, while art students enjoy exploring the connection between words and colors.

To visit the website, go to <https://picular.co/>.



The **GLOBAL ONENESS PROJECT** uses stories as a tool sharing world culture.

This standards-based, interdisciplinary project includes stories and lessons that address universal themes such as diversity, hope, empathy, and responsibility. These themes are connected to authentic global issues such as climate change, water scarcity, and sustainability. The website contains a free library of multimedia stories, films, photo essays, and articles, along with curriculum and discussion guides.

Librarians can use this website as part of a schoolwide project. Share the stories and lessons with teachers, then build a plan for creating a “Global Oneness” display in the library, sharing student work based on the universal themes.

To visit the website, go to <https://www.globalonenessproject.org/>.



AP IMAGES is a collection of images from the Associated Press.

Students can use the basic or advanced search engine to locate images or browse the website resources.

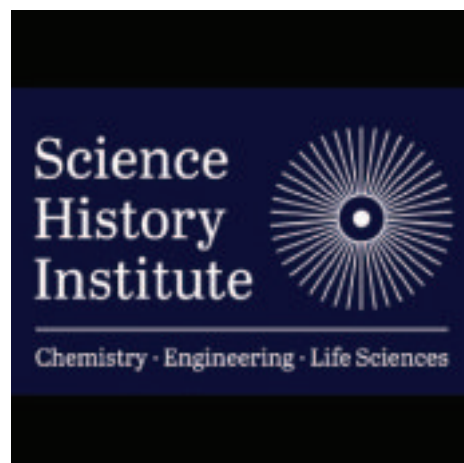
The Editorial Photography area contains images related to breaking news and top stories as well as images by topic. The historical section contains award-winning photographs from

the past 90 years. The GraphicsBank includes a wide range of graphics including logos and maps.

Librarians will find this website to be an effective way to locate key photos for a wide range of projects from current events to historical projects. Involve youth in starting a social issues project with a photograph from the collection. Be sure that students cite any images they use for class projects.

Before sharing the photographs outside the library or classroom, be sure to check the usage guidelines for the particular image.

To visit the website, go to <http://www.apimages.com/>.



The **SCIENCE HISTORY INSTITUTE** digital collection focuses on chemistry, engineering, and life sciences.

Contents: This digital collection contains nearly 6000 digital objects including artifacts, photographs, advertisements, letters, rare books, and more. Users can search by key word and limit the search by date.

Classroom Connections: Librarians will find this collection useful for student projects. Students can search for public domain images that can be used in science or other types of projects.

Featured Digital Objects:

Wilson College Chemistry Club <https://digital.sciencehistory.org/works/w6634363x>

Princess and Fairy, or, the Wonders of Nature <https://digital.sciencehistory.org/works/c821gk49n>

Science on Stamps <https://digital.sciencehistory.org/focus/science-on-stamps>

To visit the collection, go to <https://digital.sciencehistory.org/>.



The **BBC YouTube** channels contain endless informational and educational video programming.

BBC supports dozens of YouTube channels. Best known is the BBC News channel; however there are many other channels useful for educational activities.

BBC Ideas is a channel that contains short videos to “feed your curiosity.” CBBC is popular with youth. Check out their videos dealing with the issue of bullying. Students will find their “Horrible Histories” hilarious. CBeebie is a channel designed for young children. Finally, Children in Need is focused on changing the lives of disadvantaged youth.

Librarians will want to mine the many BBC channels for short videos that can be woven into the curriculum. Use the news channel to provide a more global perspective on social issues.

To visit the channels, go to <https://www.youtube.com/user/BBC/channels>.



SIMPLE HISTORY is a YouTube Channel providing animated history videos.

Each short video visualizes a different aspect of history including culture, technology, and key events. Playlists are available on world history and wonders of the world. Users will find multiple videos on topics such as World War I and World War II.

Librarians will find dozens of engaging history segments to jumpstart an interest in a wide range of history topics. Work with the history teacher to weave the videos into the curriculum.

To visit the website, go to https://www.youtube.com/channel/UC-510QYIOiKNyhy_zdQxnGYw



SERIES OF THE WEEK is a website featuring the best of web video series.

The Education section focuses specifically on web-based videos of interest to educators and students. Videos are grouped into subcategories including science, history, nature, and literature.

Librarians will find this website to be a good place to begin an exploration of web-based videos for use across the curriculum.

To visit the website, go to <https://www.seriesoftheweek.com/education-webseries>.



THE NATIONAL WORLD WAR II MUSEUM website features learning resources telling the story of the war that changed the world.

Located in New Orleans, the museum website contains information about the physical location, along with a growing number of online resources.

The War section of the website provides articles, items from the digital collection, WWII polls, and other types of information including text, graphics, and video content.

The Students and Teachers section provides distance learning programs, educator resources, and student resources that explore history topics related to WWII. Of particular note is their electronic field trip connected with the 75th anniversary of D-Day.

Librarians will find these high-quality learning materials appeal to students and teachers alike. Be sure to check out the YouTube channel for lots of video content. Also, examine the classroom website focusing specifically on using the collections in schools.

To visit the website, go to <https://www.nationalww2museum.org>.

To visit the YouTube channel, go to <https://www.youtube.com/user/NationalWW2Museum>.

To visit the classroom website, go to <https://www.ww2classroom.org/>.



JARED OWEN ANIMATIONS is a YouTube Channel sharing fascinating 3D animations.

From science to architecture and history, Jared Owen has produced fascinating 3D animations that illustrate concepts, address questions, look inside equipment, and visit locations around the world. Users can see a series of animations related to Apollo Spacecraft, look inside a lightsaber, and visit Buckingham Palace.

Librarians will find the animations useful in computer science classes teaching 3D animation. In addition, collaborate with social studies and science teachers to weave the animations into the curriculum.

To visit the YouTube channel, go to <https://www.youtube.com/user/captainranic>



MAKERSPACE FOR EDUCATION is a website providing resources related to makerspaces in teaching and learning.

The website introduces the basics of makerspaces, along with the philosophical basis for the approach. A materials section lists print resources, software, websites, and other useful links to get educators started. A community of practice section welcomes involvement and provides links to a blog and teacher-generated lesson ideas.

Librarians will find this website to be helpful in designing makerspaces and locating materials and support for both the library and classroom settings.

To visit the website, go to <http://www.makerspaceforeducation.com/>.

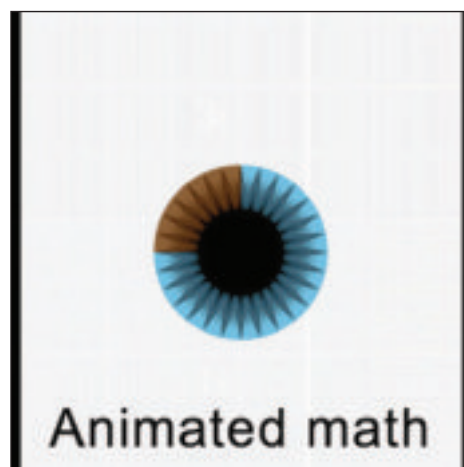


The **LIBRARY LEARNING & CREATION CENTER** is a website supporting the professional development needs of librarians.

Sponsored by the Colorado Virtual Library, the website contains resources focusing on collection management, community engagement, customer service, leadership, makerspaces, services and programming, and technology. In addition, the Library 101 section is geared to challenges facing librarians from professional ethics to intellectual freedom. Many of the topics link to videos and reading materials sponsored by state and national library organizations such as the American Library Association.

Librarians will find useful resources to jumpstart their own professional development activities, along with materials to assist their library staff and volunteers.

To visit the website, go to <https://create.coloradovirtuallibrary.org/>.



ANIMATED MATH, also known as **3BLUE1BROWN**, is a website and YouTube channel providing videos and math poetry on advanced mathematics topics.

Although too tough for most teens, this website is perfect for advanced math students looking for ways to en-

hance their learning. Created by Grant Sanderson, the video section introduces the latest videos, and the math poetry area presents a dozen poems.

Librarians will find this website to be an effective way to promote advanced mathematics in a high school setting. Of particular interest is the math poetry section. Go directly to the YouTube channel to explore playlists connected with particular topics.

To visit the website, go to <https://www.3blue1brown.com/>.



MAKER ED is a website providing resources and information to educators interested in maker-centered learning.

The Maker Education Initiative is a non-profit project providing training, support, and resources to the educational community. The website contains a resource library with planning materials and ideas for making the case for makerspaces in schools. Tools, materials, publications, research reports, and project approaches are also available. Of particular interest are tours and descriptions of specific examples of school, library, and museum makerspaces.

Librarians will find endless ideas for building makerspaces into teaching and learning activities.

To visit the website, go to <https://makered.org>.



The **GRAPHICS ATLAS** website uses an object-based approach to identification of prints and photographs.

Created and maintained by the Image Permanence Institute, a department of the College of Art and Design at the Rochester Institute of Technology (RIT), this website provides useful tools connected with photography. Users can explore the collection by taking a guided tour of individual prints; a virtual study of the collection that contains processes ranging from historic woodcuts to today's inkjet prints. The collection covers pre-photographic, photomechanical, photographic and digital processes. Compare the process traits using a variety of lighting techniques and image magnifications. One can learn the key identifying characteristics of each process. Users can sign up for an interesting picture of the month to be emailed to them.

Librarians will find this website to be a useful tool for students and teachers who work with historical photographs. The website helps learners look at past pictures online and learn about the processes used in their production. Use it as part of both the information literacy program and the social studies curriculum.

To visit the website, go to <http://www.graphicsatlas.org/>

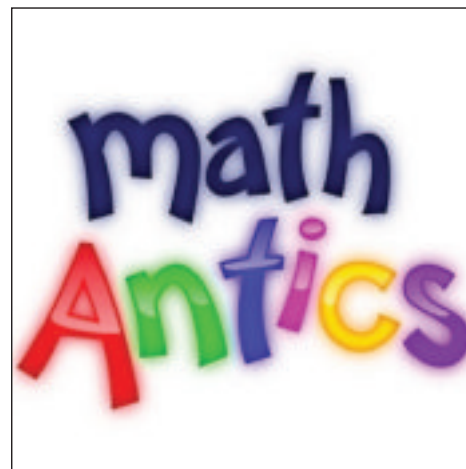


The **MAGNA CARTA** website explores the history and legacy of one of the world's most famous documents, the Magna Carta.

Housed at the British Library, the original document was agreed to at Runnymede in 1215. This site displays one of the four surviving copies. Visitors can explore and study articles by leading experts, view videos and animations, and other items for ideas and information associated with the Magna Carta. Discover the important people involved in the 13th century including kings John and Henry III, Pope Innocent III, Archbishop Stephen Langton, barons William Marshal and Robert Fitzwalter.

Librarians can help students and adults find resources for primary and secondary schools in teaching history, government, citizenship, human rights, law, and politics. Lead them to discover why this document is still important today. How has it changed over the last 800 years? How does it affect our culture, laws and rights?

To visit the website, go to <https://www.bl.uk/magna-carta>.



MATH ANTICS is a website and YouTube channel teaching basic math concepts.

Designed for grades 3 through 8, the videos are intended to supplement the math curriculum. The videos are organized by math concept such as arithmetic, fractions, geometry, algebra and percents rather than by grade level. The engaging format may be useful for learners seeking alternative ways of thinking about a math concept.

Librarians will find these fast-paced math videos to be popular with teachers seeking short tutorials to review or enhance learning. Although the videos are free, additional materials can be purchased at the website.

Go to <https://www.youtube.com/user/mathantics>.

Go to <http://www.mathantics.com/>.



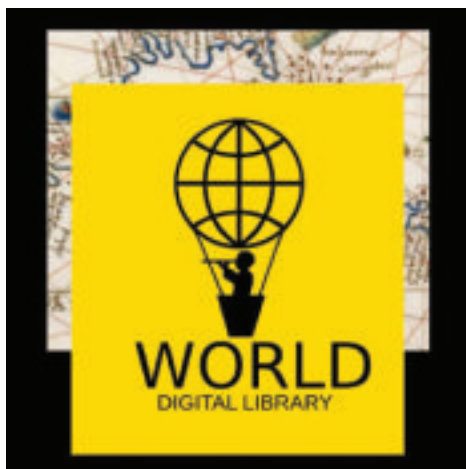
KURZGESAGT: IN A NUT-SHELL is a YouTube channel featuring short animations focusing on science topics.

Publishing one video per month, the YouTube channel features dozens of earth, life, and physical science topics. Each video uses a unique, witty narrative style likely to appeal to all ages. The elaborate, bright colored animations bring each topic to life.

Use the playlist to identify multiple videos on topics such as genetic engineering, technology, immune system, and the universe. Of note is their “best stuff” section featuring a variety of topics. Based in Germany, the videos provide a useful global perspective on topics such as energy.

Librarians will find these beautifully produced animations to be effective in addressing popular how and why science questions. Use the videos to introduce concepts across the science curriculum.

To visit the website, go to <https://www.youtube.com/user/Kurzgesagt>.



The **WORLD DIGITAL LIBRARY** makes available primary materials from all countries and cultures around the world.

Sponsored by the Library of Congress, users can discover, study, and en-

joy cultural treasures and historical documents through the World Digital Library (WDL) website. WDL content includes information and images that can be explored by place, time period, topic, item type, language and institution. Users will find items organized in themes, timelines, and interactive maps. The WDL project is supported by the United Nations Educational, Cultural and Scientific Organization (UNESCO) and cooperation with libraries, archives, museums, educational institutions, and international organizations around the world.

Librarians will find primary source materials in a variety of forms; books, manuscripts, maps, newspapers, journals, prints and photographs, sound recordings. Films are not translated but presented in their original languages. Weave these resources throughout the information literacy curriculum and across content areas.

To visit the website, go to <https://www.wdl.org/en/>.



NATGEOWILD is a YouTube Channel focusing on the animal kingdom.

Sponsored by National Geographic, the engaging animal videos will be of interest to all ages. Browse the playlists for video collections such as Dead by Dawn, Live Safaris. Dr. Oakley, Animal Fight Night, Untamed, Australia's Deadly

Monsters, and the Incredible Dr. Pol. The community section provides information about new and upcoming videos.

Librarians will find these videos to be a fun way to introduce a science or writing unit. Involve youth in selecting their favorite video to jumpstart an inquiry. Or, explore the playlists to connect videos to specific science units. Pair the videos with nonfiction books connected to specific topics such as “world’s weirdest” and “world’s deadliest”.

To visit the YouTube channel, go to <https://www.youtube.com/user/NatGeoWild>



C.G.P. GREY is a popular YouTube Channel featuring short, fast-paced animated videos on popular topics.

Each short video explores a specific problem or question such as who owns the statue of liberty or how do machines learn?

Librarians will find youth enjoy the fast-paced style. Keep in mind that some videos contain humor and satire appropriate for older students. Of note is a video that explores the differences between the United Kingdom, Great Britain, and England. The fast-paced, humorous approach will be popular with sharp AP students.

To visit the YouTube channel, go to <https://www.youtube.com/user/CGP-Grey>.